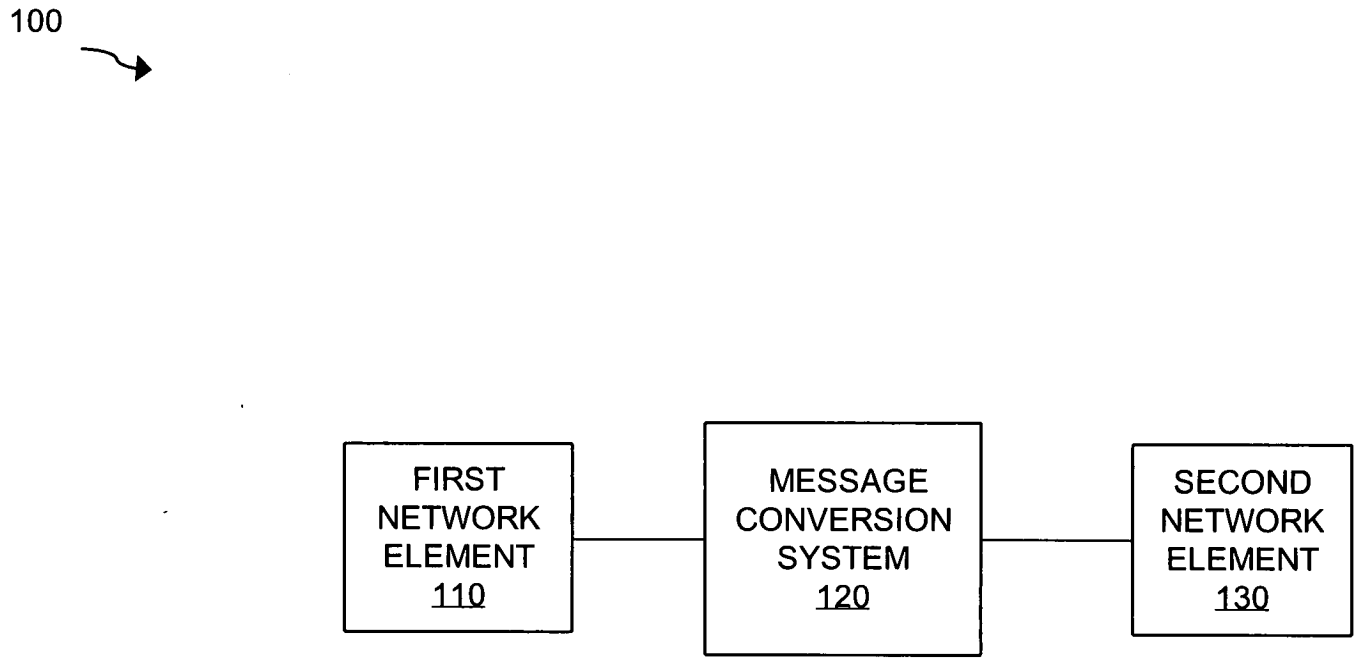
100
FIRST NETWORK ELEMENT 110
MESSAGE CONVERSION SYSTEM 120
SECOND NETWORK ELEMENT 130

FIG. 1

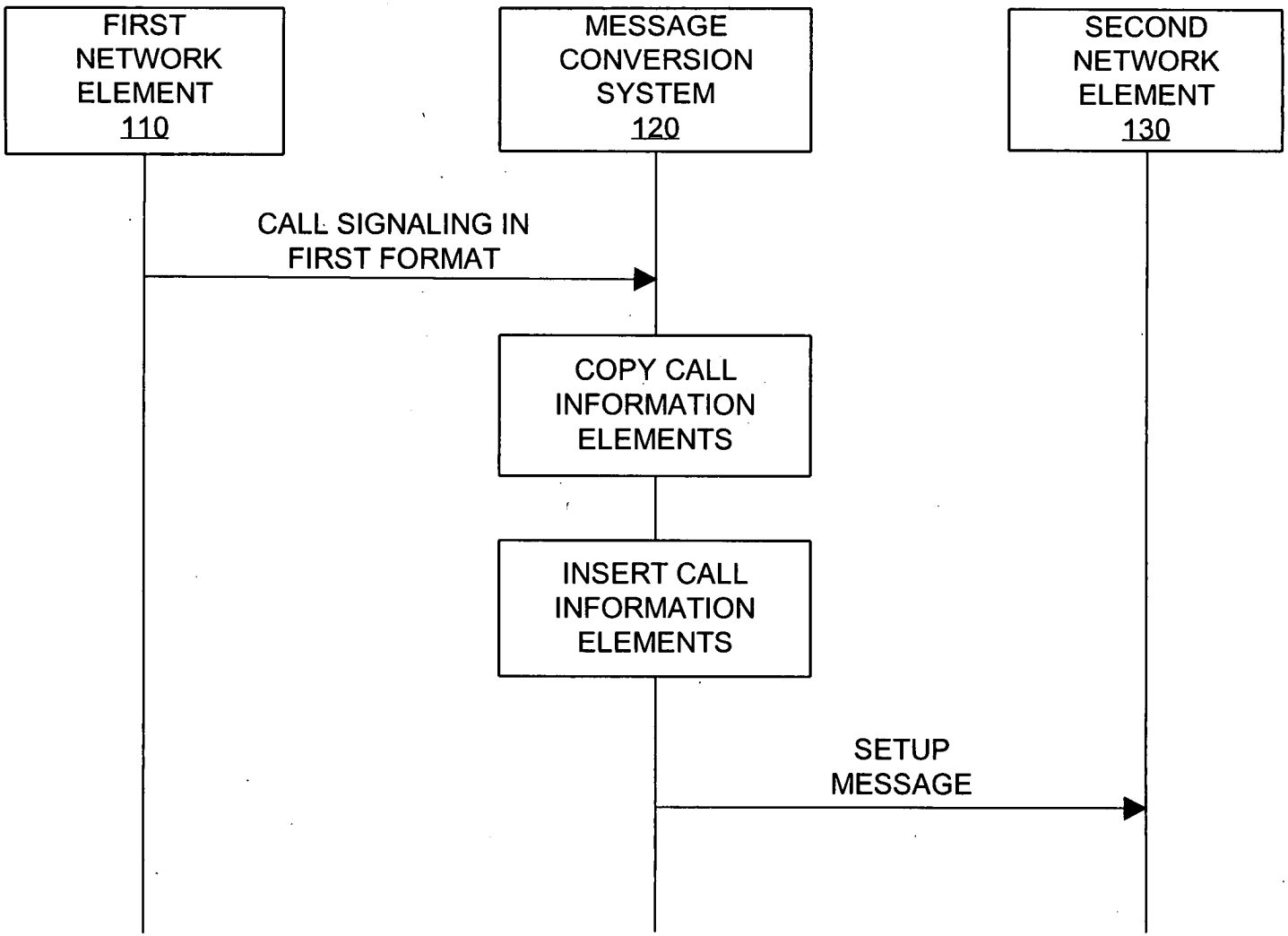
FIRST NETWORK ELEMENT 110
MESSAGE CONVERSION SYSTEM 120
SECOND NETWORK ELEMENT 130
CALL SIGNALING IN FIRST FORMAT
COPY CALL INFORMATION ELEMENTS
INSERT CALL INFORMATION ELEMENTS
SETUP MESSAGE

FIG. 2

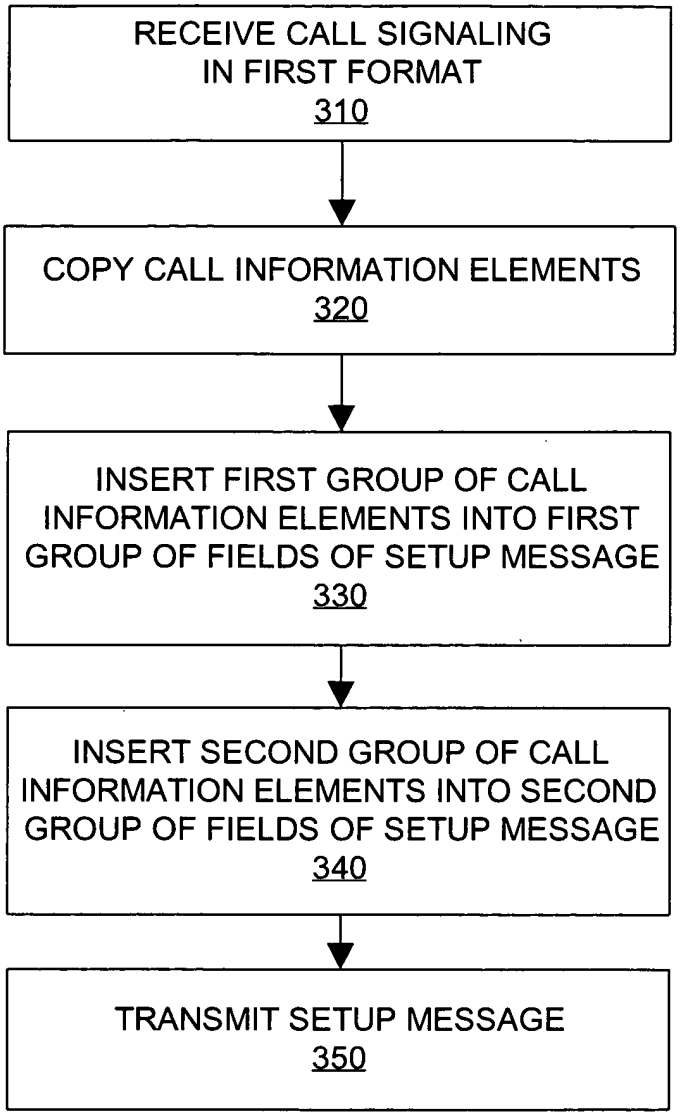
RECEIVE CALL SIGNALING IN FIRST FORMAT
310
COPY CALL INFORMATION ELEMENTS
320
INSERT FIRST GROUP OF CALL INFORMATION ELEMENTS INTO FIRST GROUP OF FIELDS OF SETUP MESSAGE
330
INSERT SECOND GROUP OF CALL INFORMATION ELEMENTS INTO SECOND GROUP OF FIELDS OF SETUP MESSAGE
340
TRANSMIT SETUP MESSAGE
350

FIG. 3

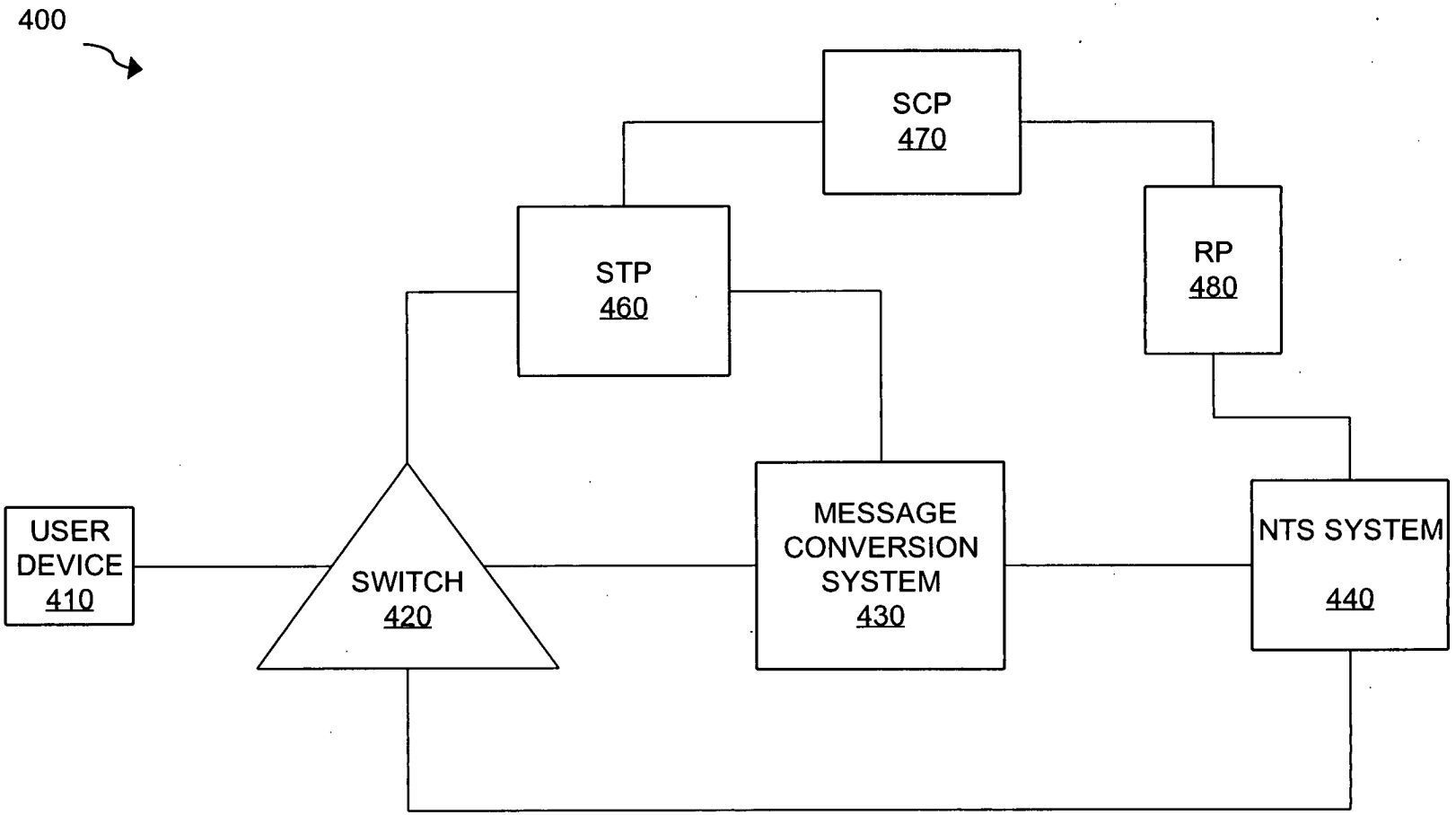
400
SCP
470
STP
460
RP
480
USER
DEVICE
410
SWITCH
420
MESSAGE
CONVERSION
SYSTEM
430
NTS SYSTEM
440

FIG. 4

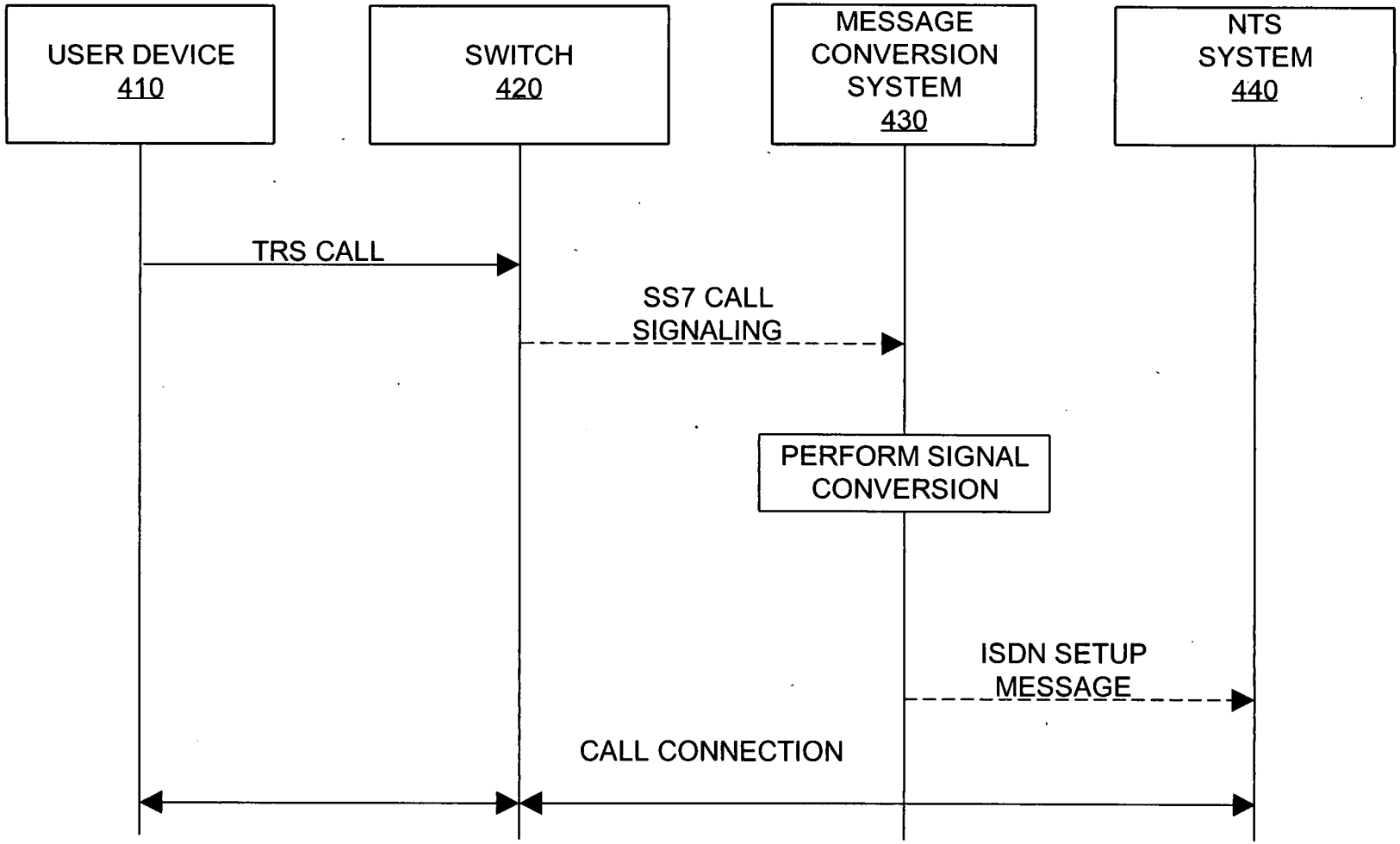
USER DEVICE
410
SWITCH
420
MESSAGE
CONVERSION
SYSTEM
430
NTS
SYSTEM
440
TRS CALL
SS7 CALL
SIGNALING
PERFORM SIGNAL
CONVERSION
ISDN SETUP
MESSAGE
CALL CONNECTION

FIG. 5

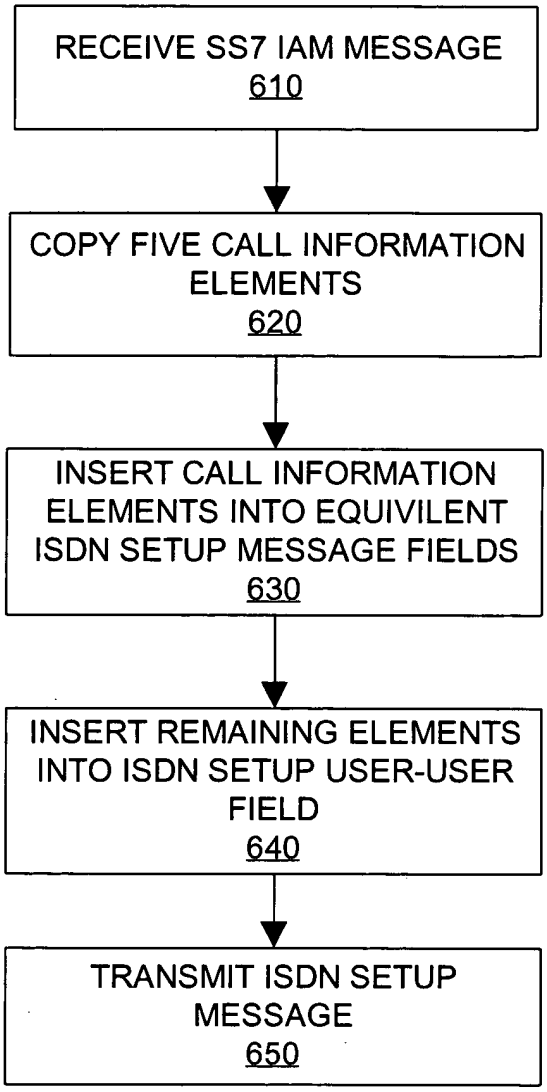
RECEIVE SS7 IAM MESSAGE
610
COPY FIVE CALL INFORMATION ELEMENTS
620
INSERT CALL INFORMATION ELEMENTS INTO EQUIVILENT ISDN SETUP MESSAGE FIELDS
630
INSERT REMAINING ELEMENTS INTO ISDN SETUP USER-USER FIELD
640
TRANSMIT ISDN SETUP MESSAGE
650

FIG. 6

700

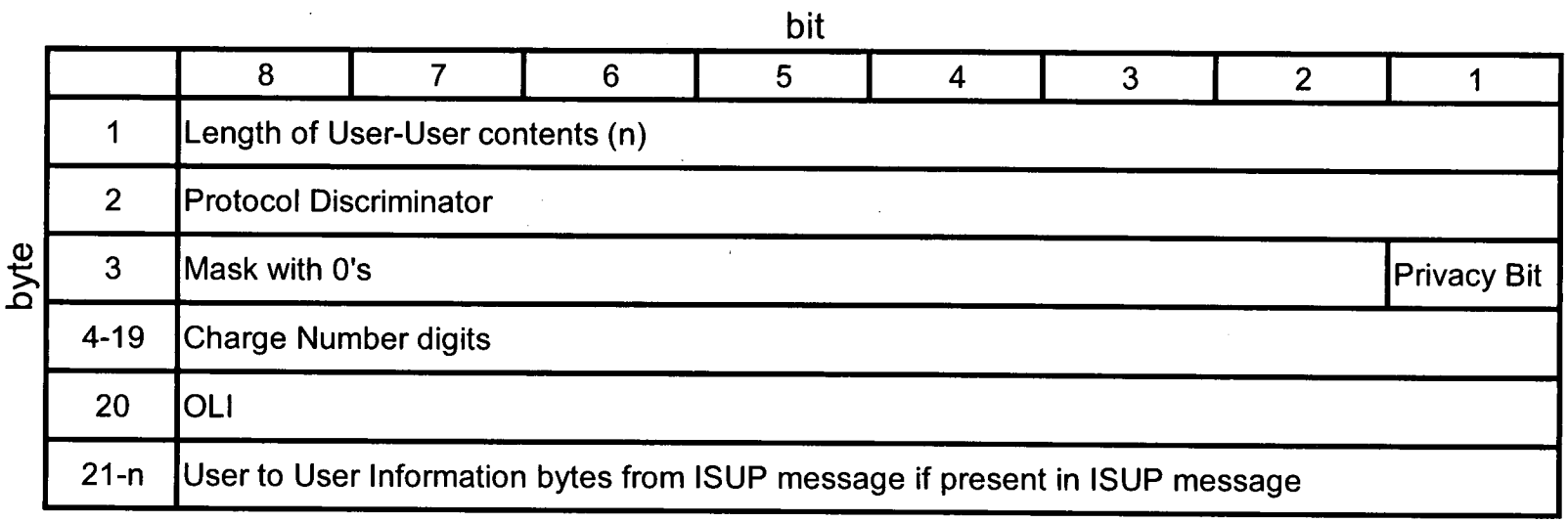
bit
8
7
6
5
4
3
2
1
byte
1
Length of User-User contents (n)
2
Protocol Discriminator
3
Mask with 0's
Privacy Bit
4-19
Charge Number digits
20
OLI
21-n
User to User Information bytes from ISUP message if present in ISUP message

FIG. 7

800

	8	7	6	5	4	3	2	1
1	Odd/Even	Nature of Address Indicator						
2	Spare	Numbering Plan			Caller ID Presentation 00=allowed, 01=not allowed		spare	
3	Not Used				Calling Number Digit 0			
4	Not Used				Calling Number Digit 1			
5	Not Used				Calling Number Digit 2			
6	Not Used				Calling Number Digit 3			
7	Not Used				Calling Number Digit 4			
8	Not Used				Calling Number Digit 5			
9	Not Used				Calling Number Digit 6			
10	Not Used				Calling Number Digit 7			
11	Not Used				Calling Number Digit 8			
12	Not Used				Calling Number Digit 9			

FIG. 8

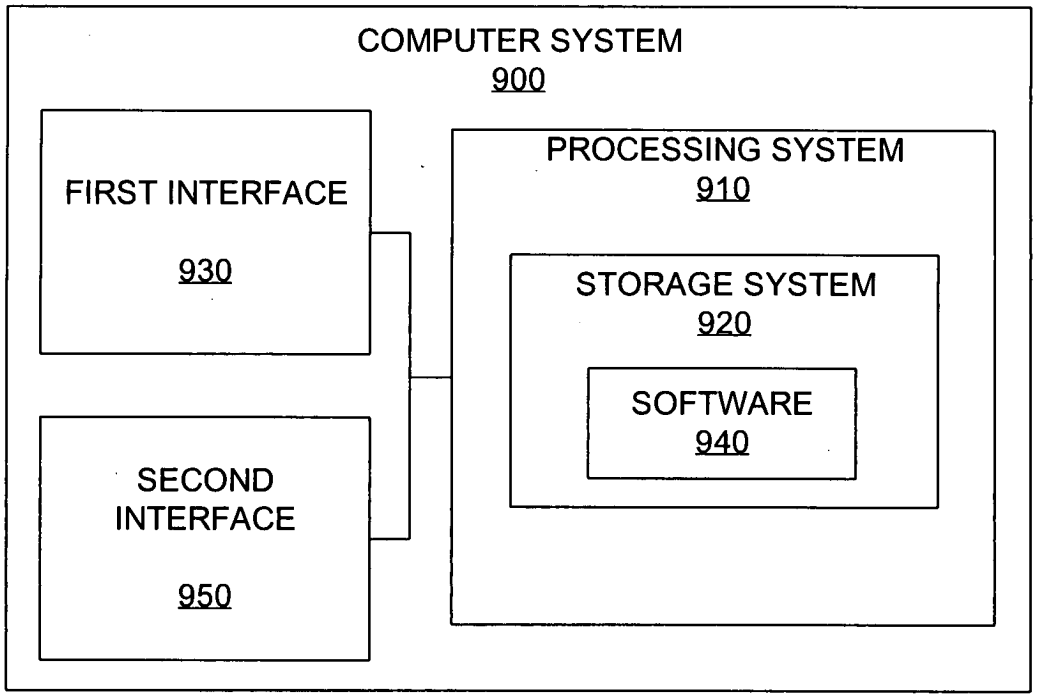
COMPUTER SYSTEM
900
FIRST INTERFACE
930
SECOND INTERFACE
950
PROCESSING SYSTEM
910
STORAGE SYSTEM
920
SOFTWARE
940

FIG. 9